



PATENT

1648

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:  
BRZOSTOWICZ ET AL.

CASE NO.: CL1903 US NA

APPLICATION NO.: 09/941,947

CONFIRMATION NO.:

GROUP ART UNIT: 1645

EXAMINER: UNKNOWN

FILED: AUGUST 29, 2001

FOR: CARTENOID PRODUCTION FROM A SINGLE CARBON SUBSTRATE

#10  
A.9.3  
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Respectfully submitted,

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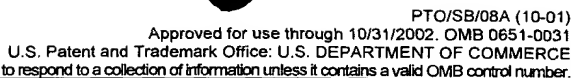
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Application Number	09/941,947
Filing Date	AUGUST 29, 2001
First Named Inventor	BRZOSTOWICZ ET AL.
Group Art Unit	1645
Examiner Name	UNKNOWN
Attorney Docket Number	CL1903 US NA

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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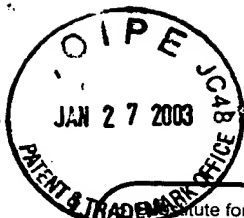
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		Application Number	09/941,947
		Filing Date	AUGUST 29, 2001
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		Group Art Unit	1645
		Examiner Name	UNKNOWN
Sheet 2 of 2	Attorney Docket Number	CL1903 US NA	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		HUNDLE ET AL., Functional Assignment of Erwinia Herbicola Eh010 Carotenoid Genes Expressed in Escherichia Coli, Molecular and General Genetics, Springer Verlag, Berlin, DE, Vol. 245, 1994, pp. 406-416, XP002947192	<input type="checkbox"/>
		PASAMONTES ET AL., Isolation and characterization of the carotenoid biosynthesis genes of Flavobacterium sp. Strain R1534, Gene: An International Journal on Genes and Genomes, Elsevier Science Publishers, Braking, GB, Vol. 185, No. 1, January 31, 1997, pp. 35-41, XP004093151	<input type="checkbox"/>
		HARKER et al., Biosynthesis of Ketocarotenoids in transgenic cyanobacteria expressing the algal gene for beta-C-4-oxygenase, crt0, FEBS Letters, Elsevier Science Publishers, Amsterdam, NL, Vol. 404, March 1, 1997, pp. 129-134, XP002087149	<input type="checkbox"/>
		FERNANDEZ-GONZALEZ BLANCA ET AL., A new type of asymmetrically acting beta-carotene ketolase is required for the synthesis of echinenone in the cyanobacterium Synechocystis sp. PCC 6803., Journal of Biological Chemistry Vol. 272, No. 15, 1997, pp. 9728-9733, XP002222602	<input type="checkbox"/>
		HIRSCHBERG, Production of high-value compounds: Carotenoids and vitamin E, Current Opinion in biotechnology, London GB, Vol. 10, No. 2, April 1999, pp. 186-191, XP002162837	<input type="checkbox"/>
		Misawa et al., Expression of an Wwinia Phytoene Desaturase Gene not only confers Multiple Resistance to Herbicides Interfering with Carotenoid Biosynthesis but also alters Xanthophyll Metabolism in Transgenic Plants, Plant Journal, Blackwell Scientific Publications, Oxford, GB, Vol. 6, No. 4, 1994, pp. 481-489, XP002012919	<input type="checkbox"/>
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